

FIG. 1

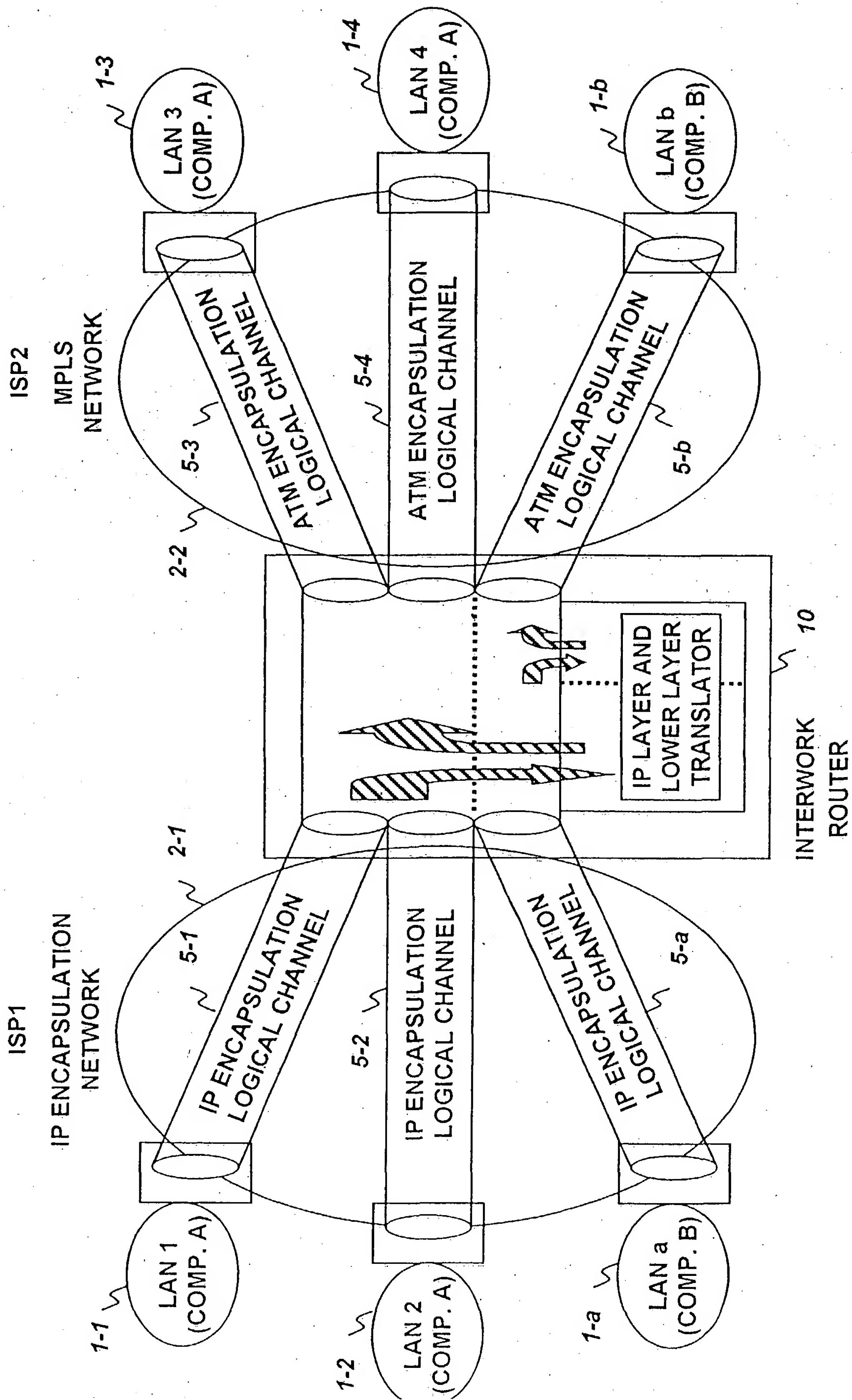


FIG.2

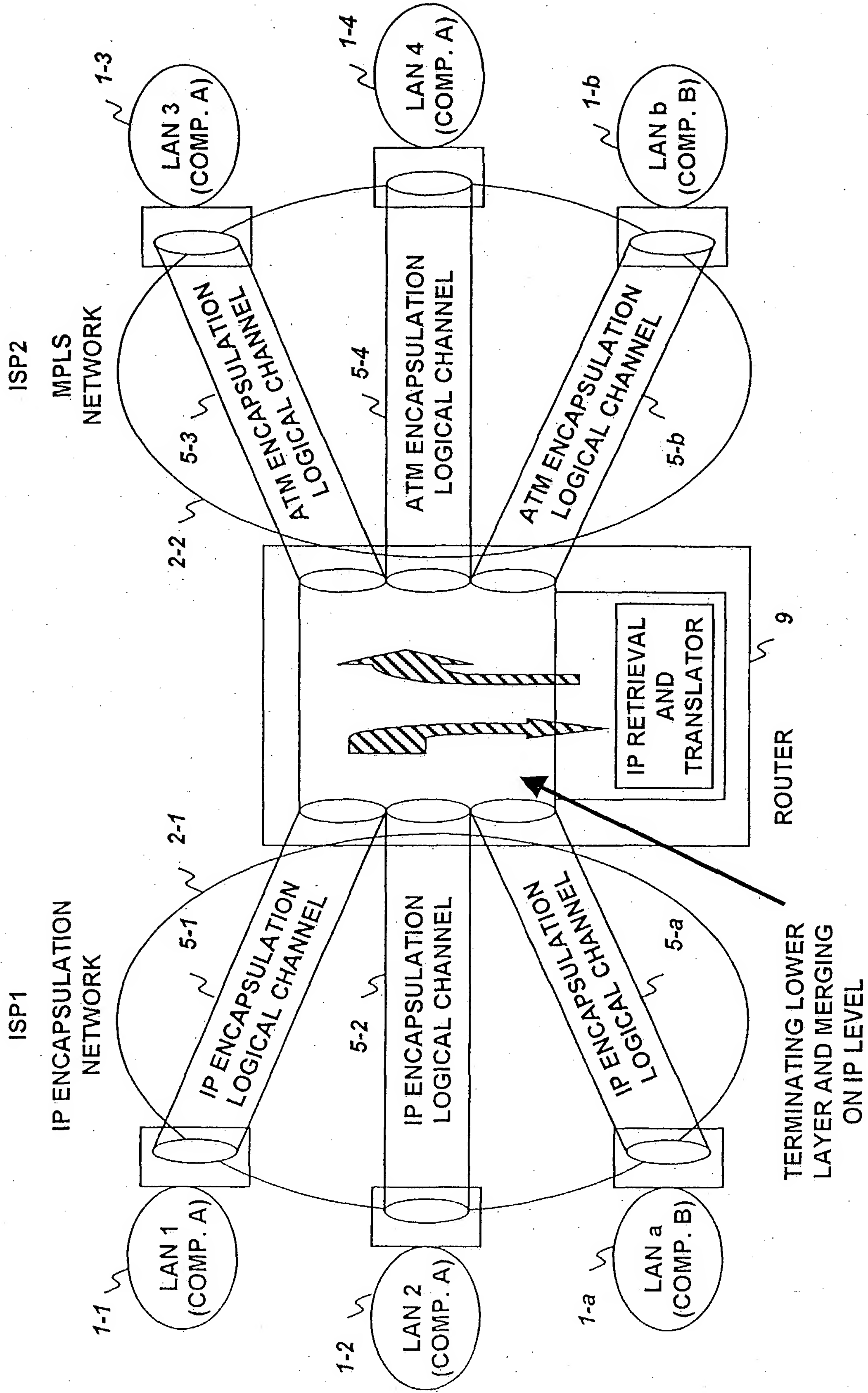


FIG. 3

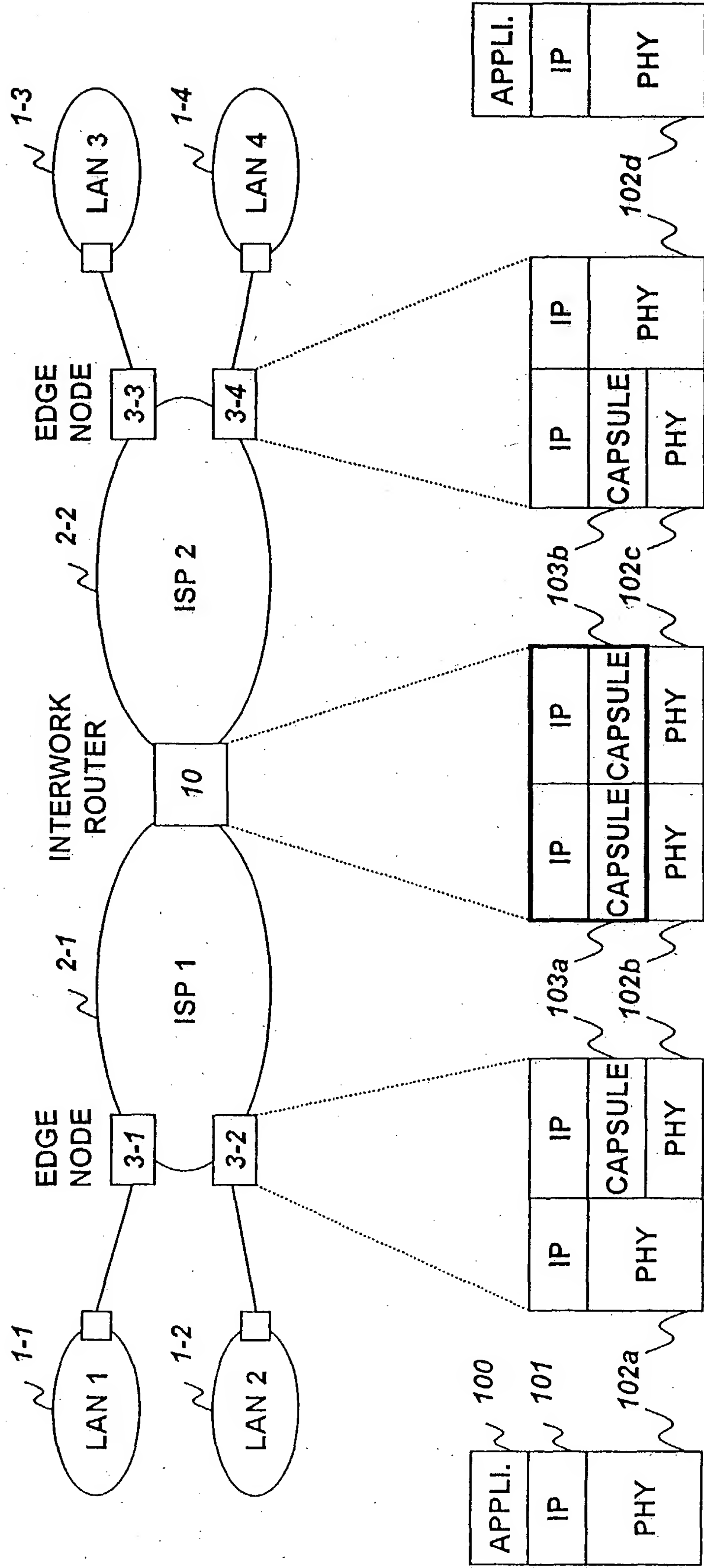
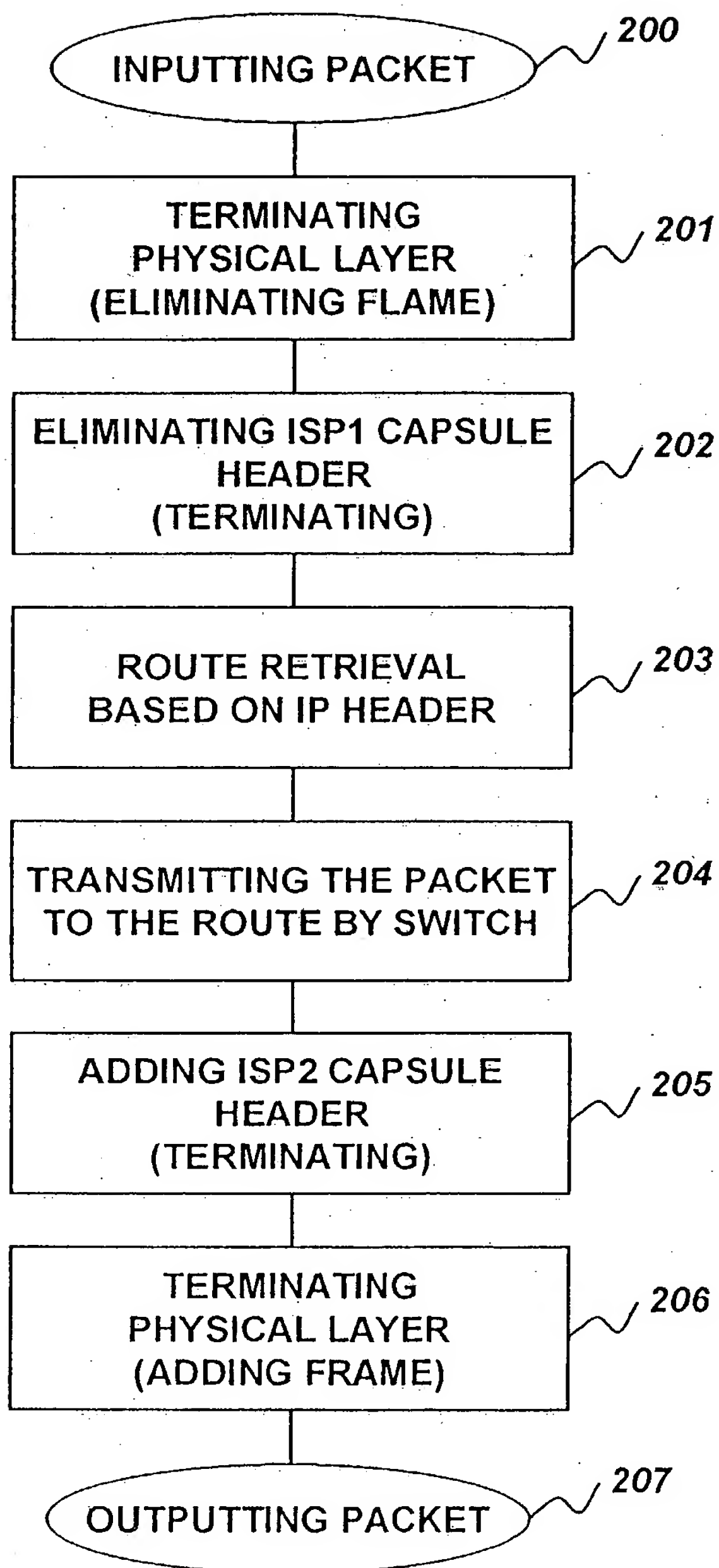
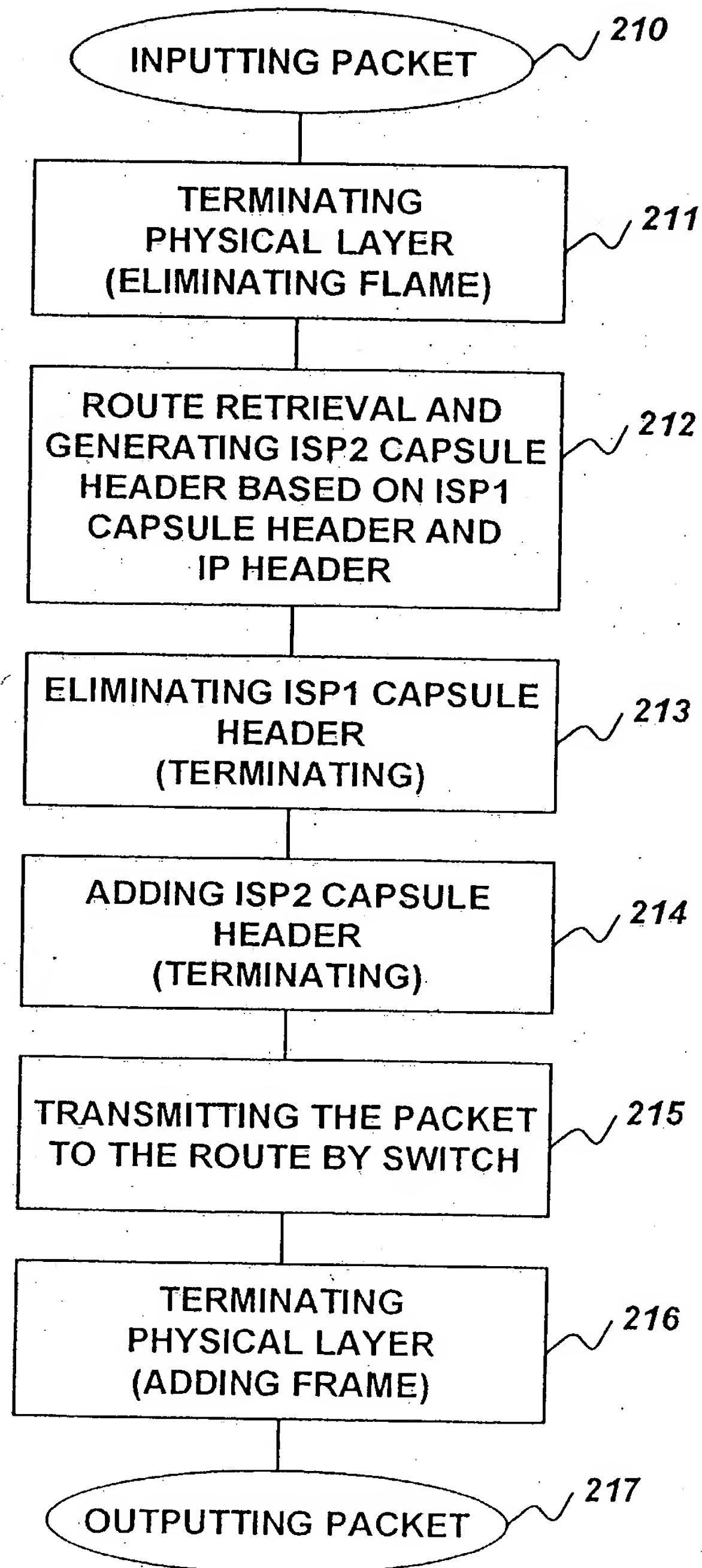


FIG.4



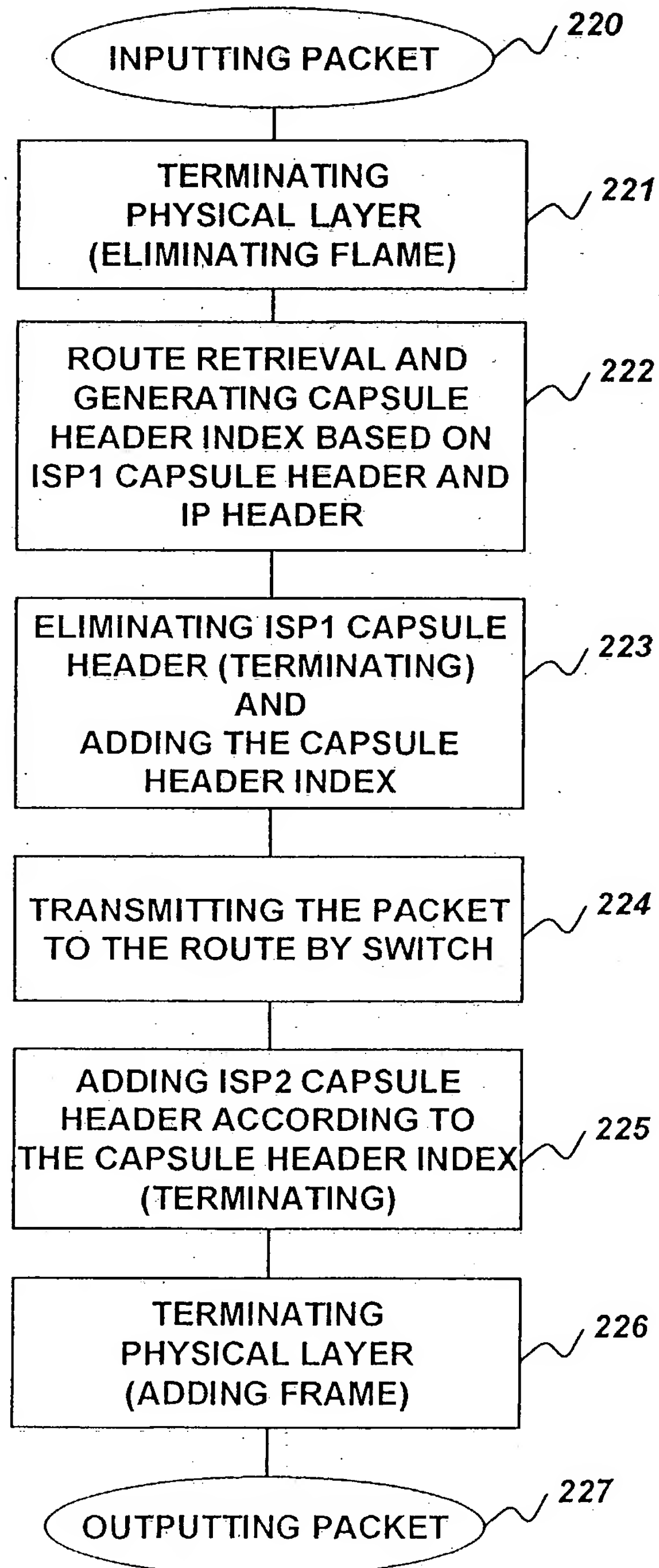
PROCESSING FLOW IN ROUTER

FIG.5



PROCESSING FLOW
IN INTERWORK ROUTER

FIG.6



PROCESSING FLOW
IN INTERWORK ROUTER

FIG. 7

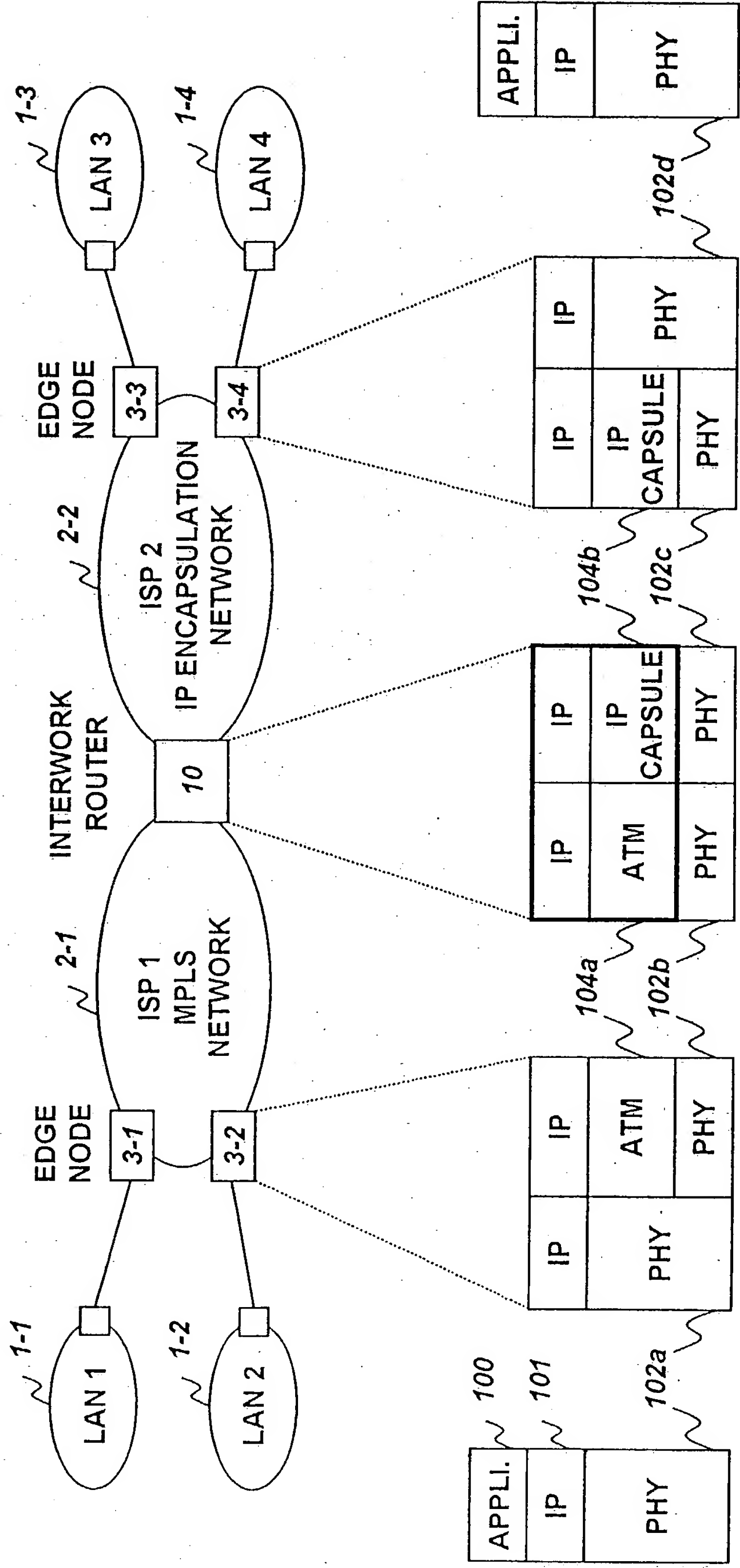
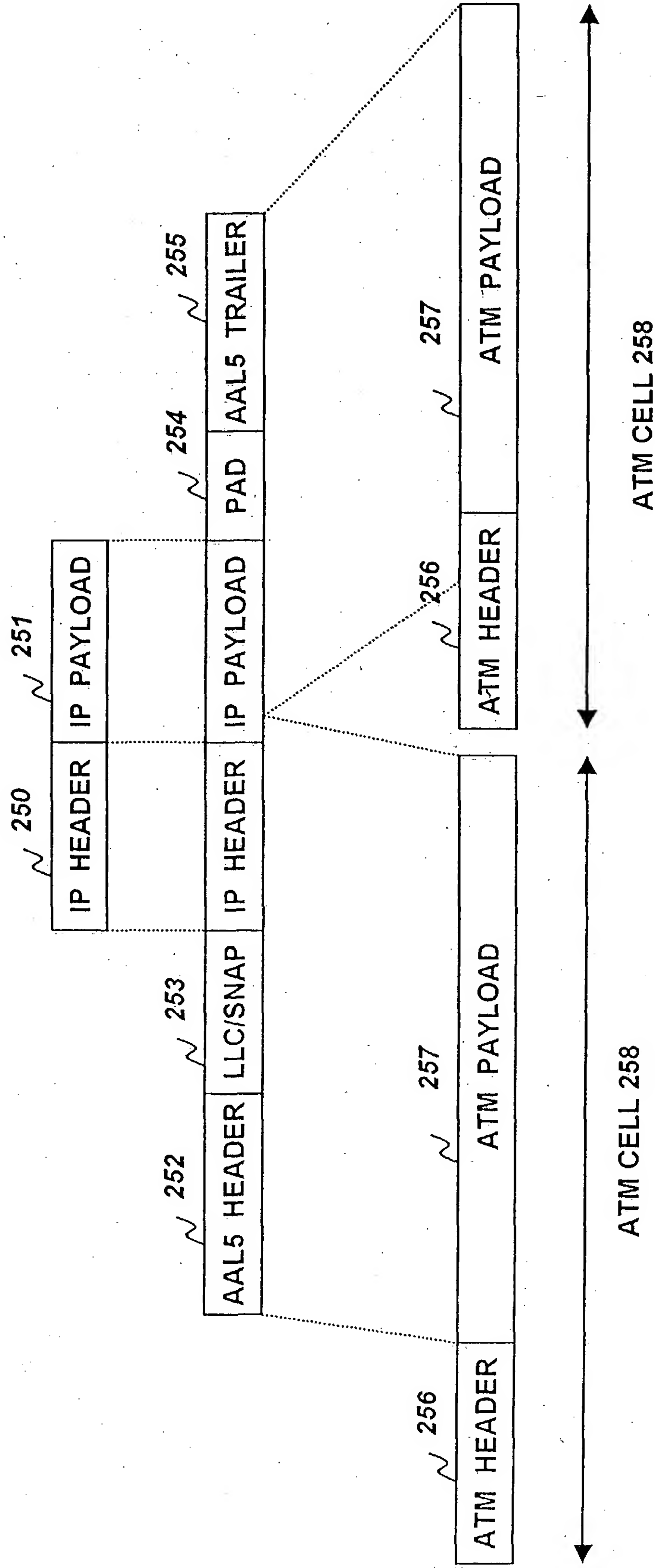


FIG.8



ENCAPSULATION BY AAL5 (RFC 1483)

FIG.9

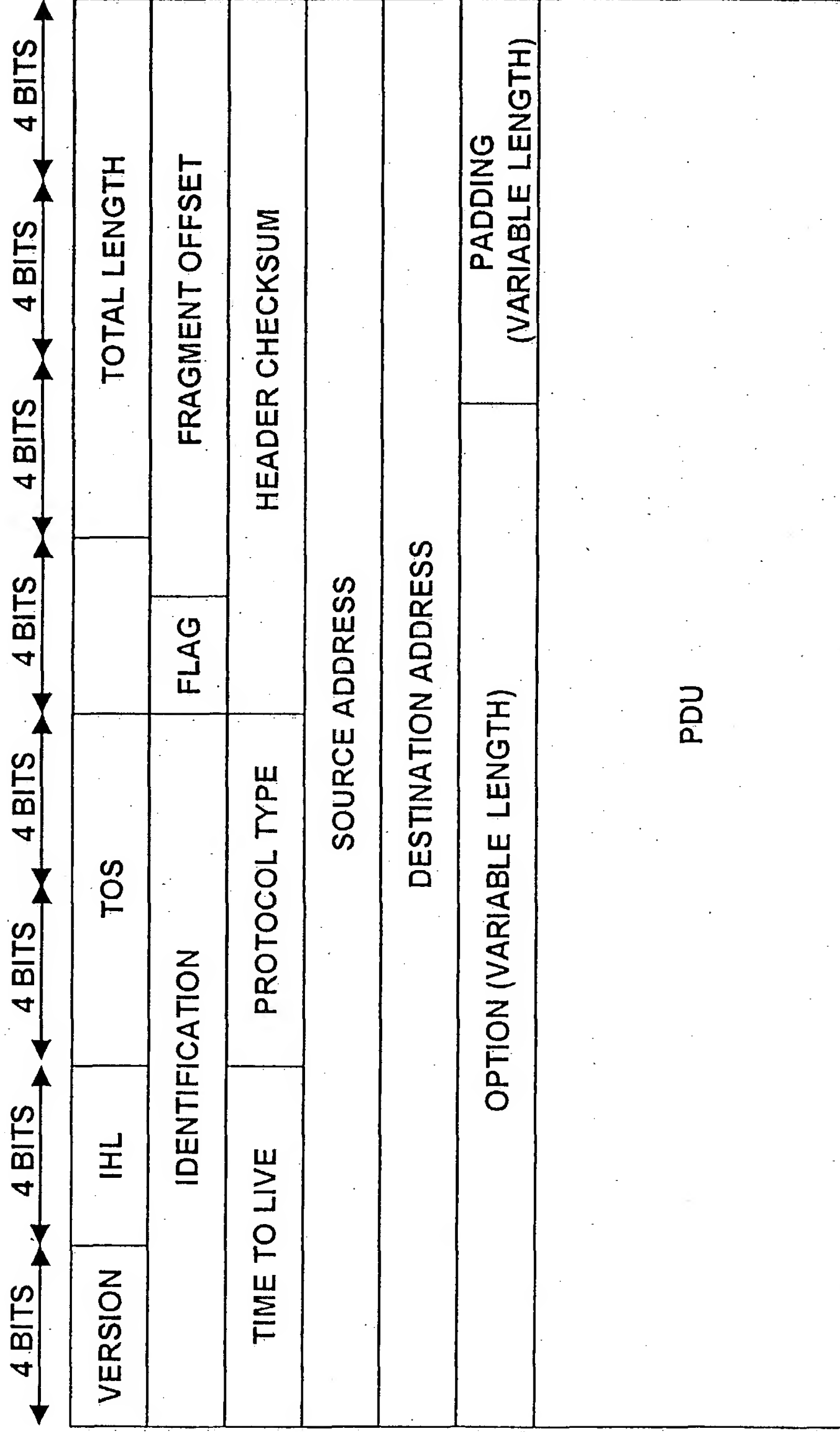
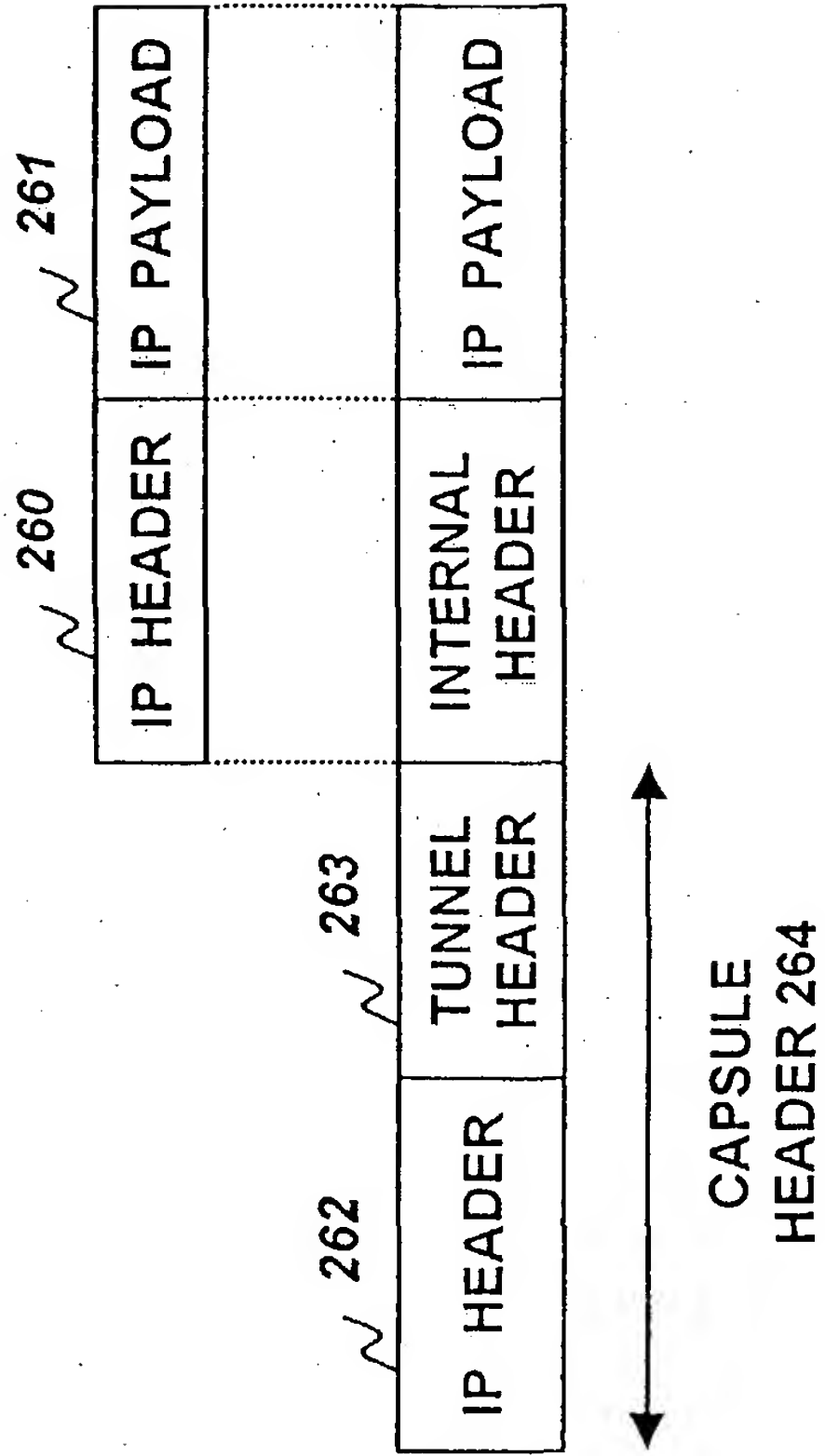


FIG.10



ENCAPSULATION BY IP TUNNEL (RFC 1853)

FIG.11

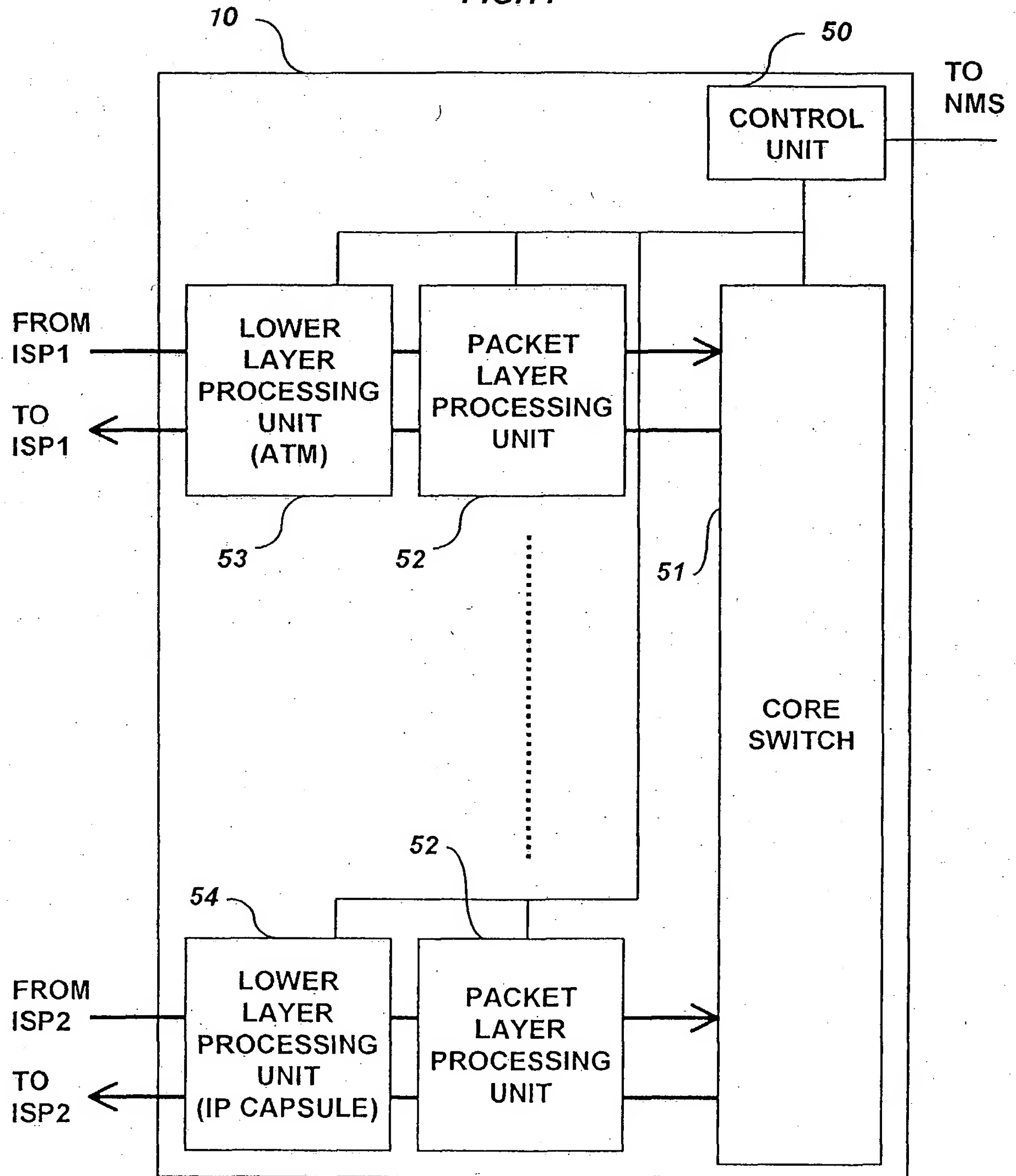


FIG.12

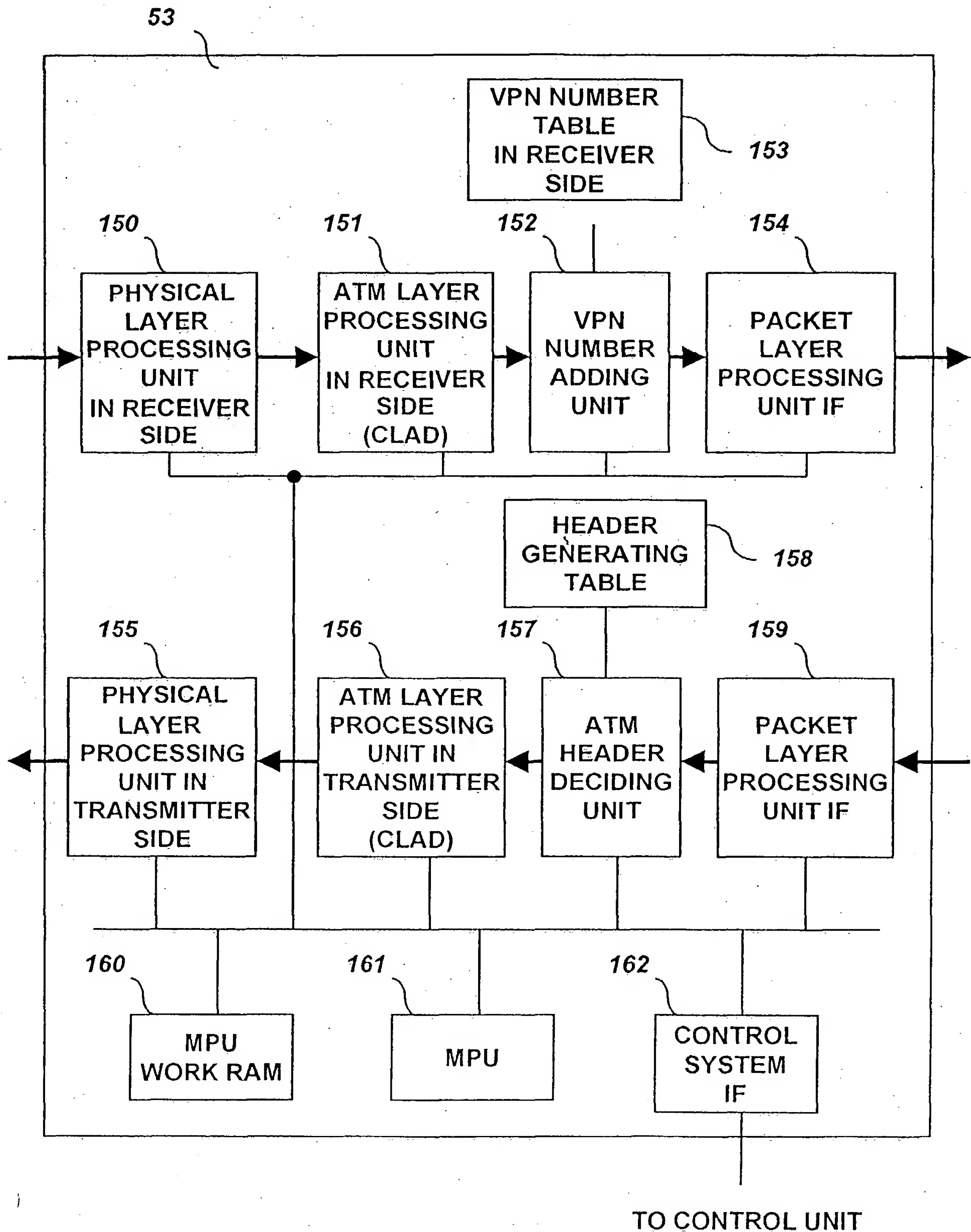


FIG.13

300 ATM HEADER IN INPUT SIDE		303 VPN NUMBER IN INPUT SIDE	
301 VPI/VC1	CLP	INTERNAL VPN NUMBER	305 QoS
a	0	0	0
b	1	12	7
...		...	
m	0	20	0
n	0	22	0

302

304

INPUT KEY

OUTPUT KEY

FIG.14

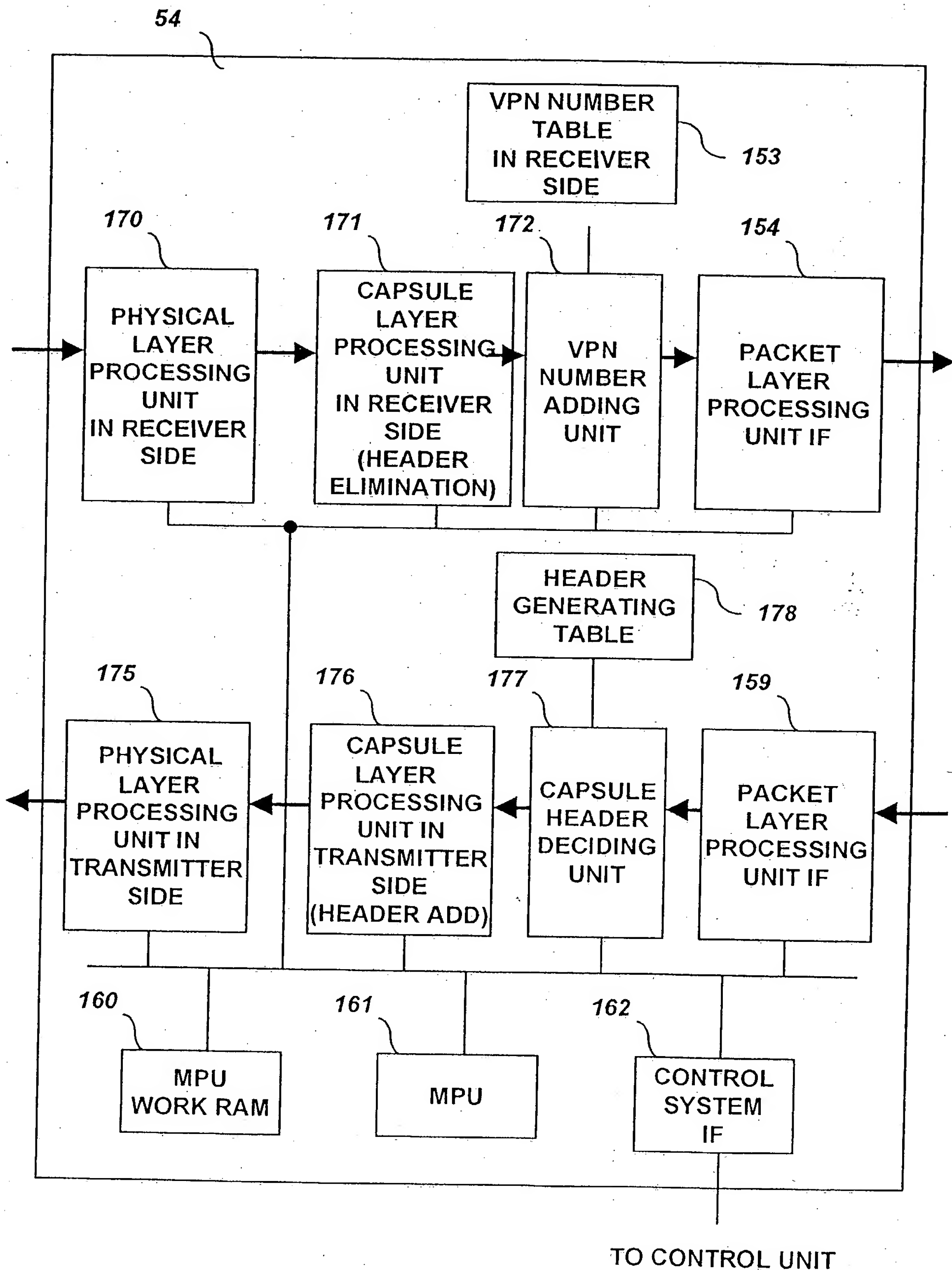


FIG.15

CAPSULE HEADER IN INPUT SIDE		VPN NUMBER IN INPUT SIDE	
CAPSULE HEADER (SA)	TOS	INTERNAL VPN NUMBER	QoS
a	0	0	0
b	1	12	7
⋮		⋮	
m	0	20	0
n	0	22	0

310 (points to the entire table)
 311 (points to the first column)
 312 (points to the vertical ellipsis in the first column)
 303 (points to the second column)
 304 (points to the vertical ellipsis in the third column)
 305 (points to the fourth column)

INPUT KEY OUTPUT KEY

FIG.16

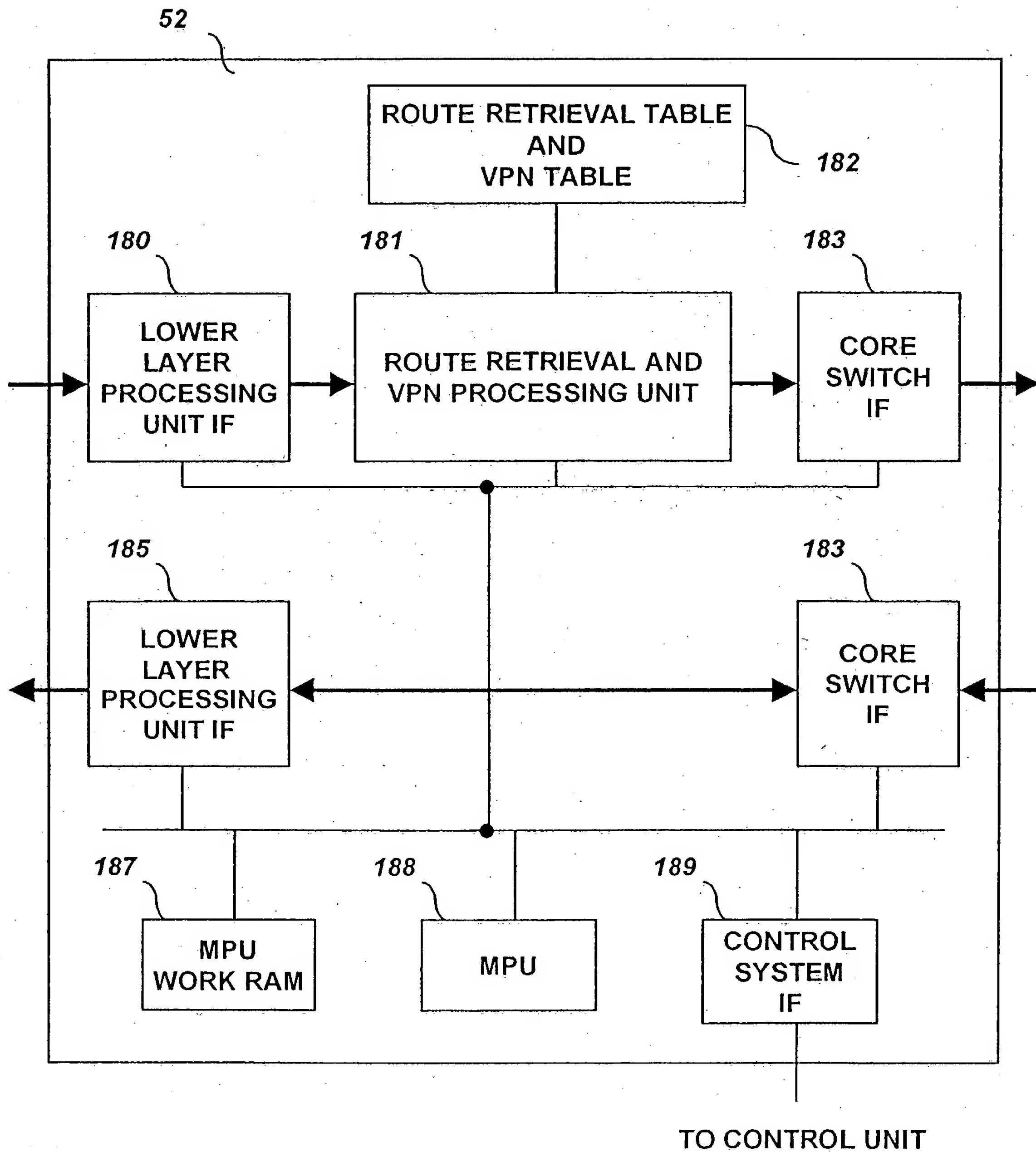


FIG.17

VPN NUMBER IN INPUT SIDE		IP HEADER	OUTPUT ROUTE NUMBER	CAPSULE NUMBER IN OUTPUT SIDE	
INTERNAL VPN NUMBER	QoS	DESTINATION ADDRESS		CAPSULE NUMBER	QoS
1	0	A.a.a.a	15	5	0
1	0	b.a.a.a	10	7	0
...
n	0	b.a.a.a	8	13	0
n	0	c.a.a.a	2	11	0

320
323
325
326
321
322
324
327
328
INPUT KEY
OUTPUT KEY

FIG.18

CAPSULE NUMBER IN OUTPUT SIDE		ATM HEADER IN OUTPUT SIDE	
LOWER LAYER NUMBER	QoS	VPI/VCi	CLP
5	0	a	0
7	0	b	1
⋮		⋮	
13	0	m	0
11	0	n	0

330 (points to CAPSULE NUMBER IN OUTPUT SIDE)
 331 (points to LOWER LAYER NUMBER)
 332 (points to QoS)
 333 (points to ATM HEADER IN OUTPUT SIDE)
 334 (points to VPI/VCi)
 335 (points to CLP)

INPUT KEY OUTPUT KEY

FIG.19

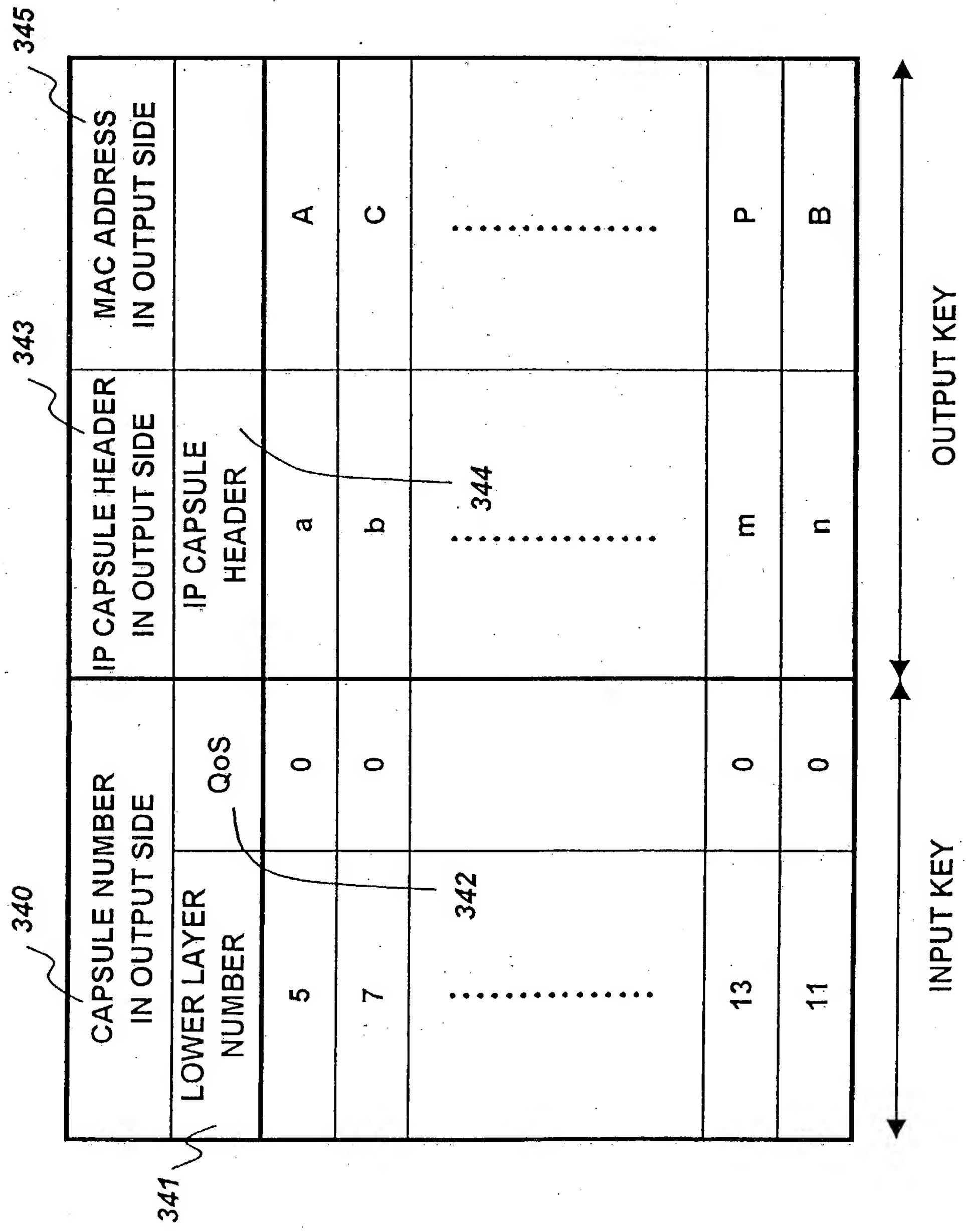


FIG.20

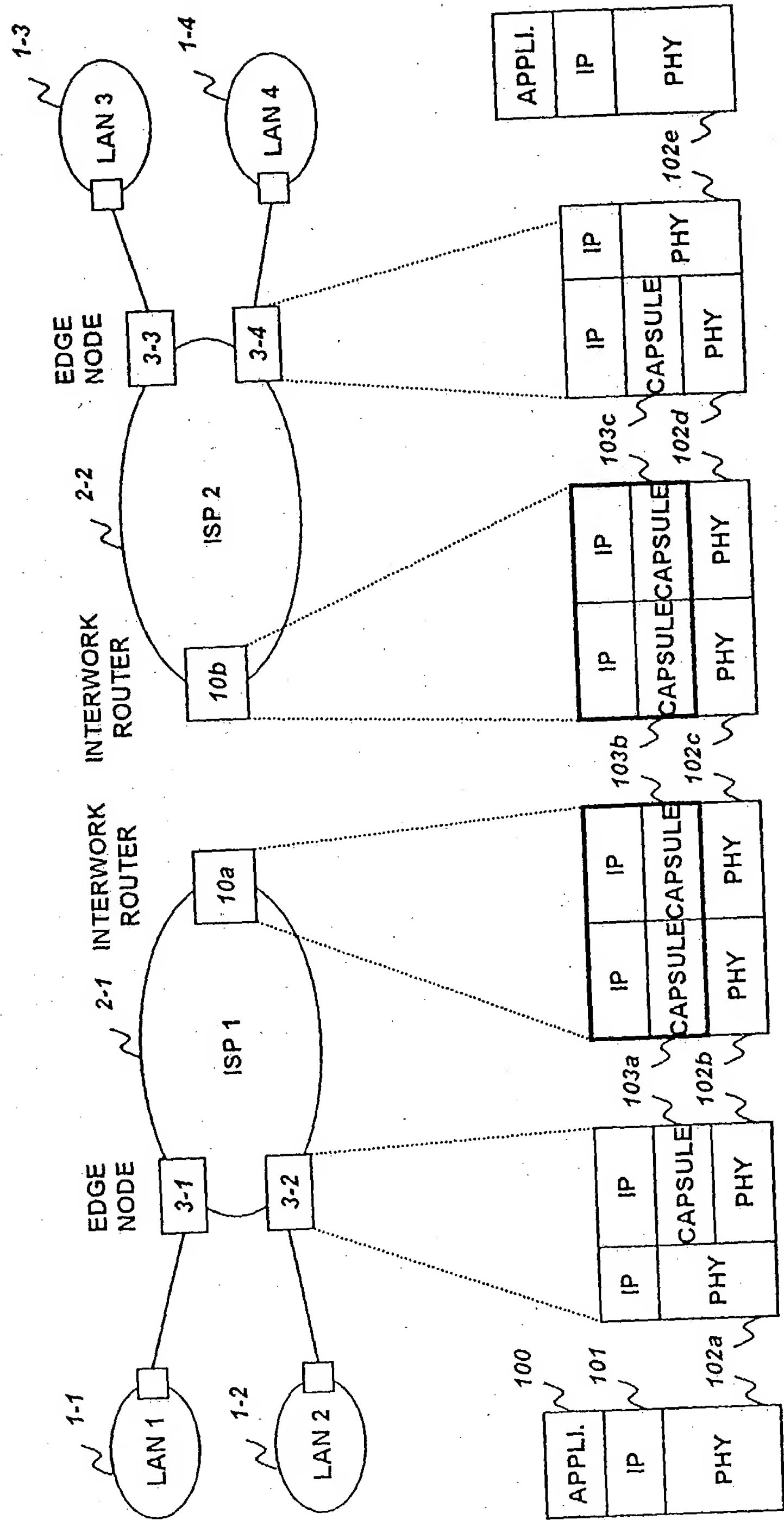


FIG.21

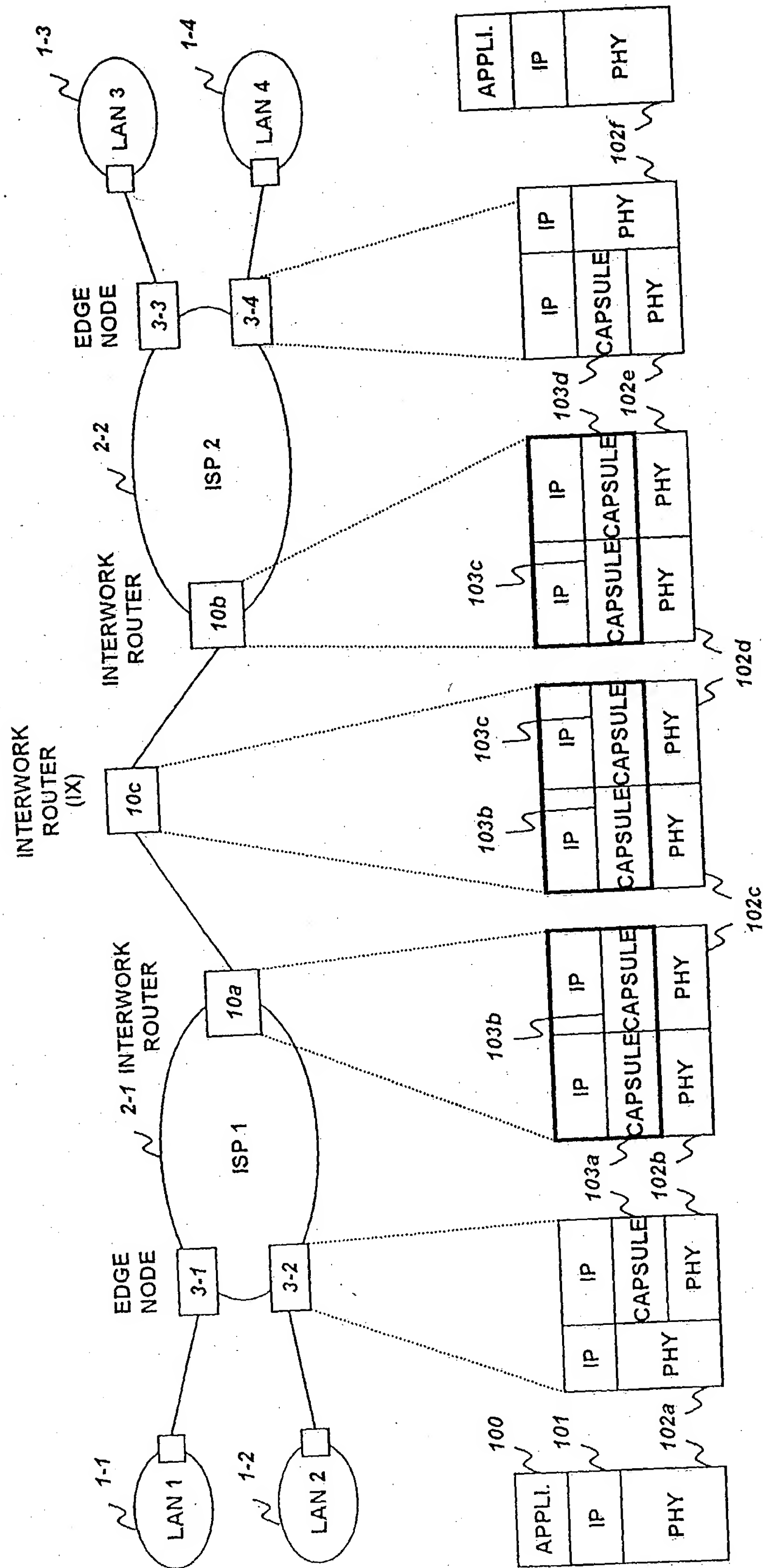


FIG. 22

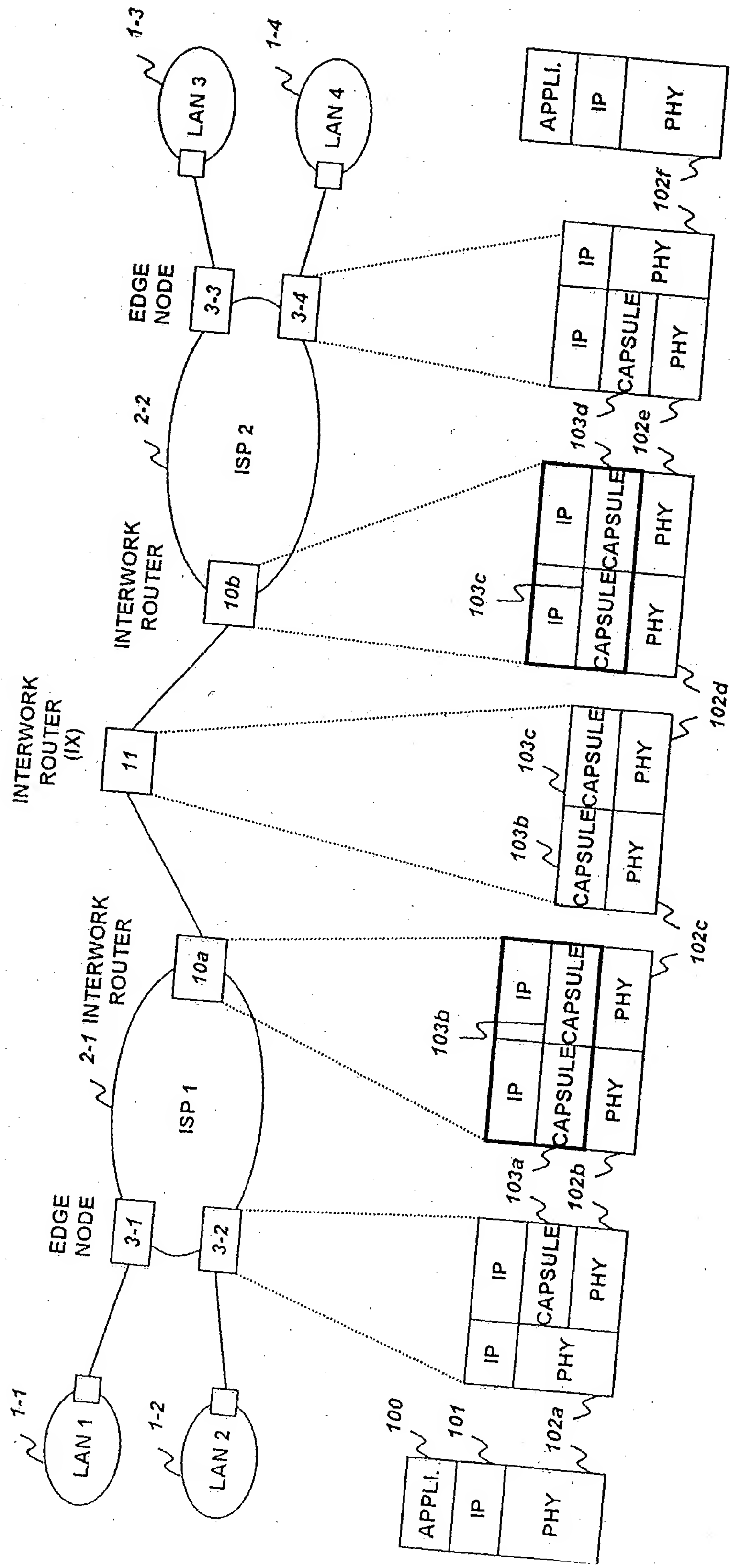


FIG.23

